IN THE SPECIFICATION:

Please amend the specification as follows:

On page 4, please replace paragraph [0008] with the following paragraph:

FIG. 1 illustrates a spectral plot of a multicarrier orthogonal spread-spectrum (MOSS) carrier set, representing an embodiment of the invention. FIG. 1 depicts a spectral plot of a typical MOSS signal.

Carrier k, 1 spread by Walsh code #1,

" k, 2 " " " #2,

. . . Walsh group

. . .

. . .

Carrier k, 16 spread by Walsh code #16,

Carrier k+1, 1 spread by Walsh code #1,

Carrier k+2, 1 spread by Walsh code #2,

. . . Walsh group

. . . (repeats)

. . .

Carrier k+1, 16 spread by Walsh code #16,

Carrier k+2, 1 spread by Walsh code #1,

On page 4, please replace paragraph [0009] with the following paragraph:

FIG. 2 illustrates a block diagram of a MOSS transmitter, representing and embodiment of the invention. FIG. 2 depicts a typical MOSS transmitter block diagram.

Channel n data: d_n

Channel n Walsh sequence: W_n

Composite channel -n modulation: $d_n \oplus W_n$

(XOR = binary multiplication)

Total OFDM channels: $N = 2^m$

Total Walsh set (length) L, where $L = 2^\ell$

Total groups : $N/L = 2^m/2^\ell = 2^{m-\ell}$

On page 4, please replace paragraph [0010] with the following paragraph:

FIG. 3 illustrates a block diagram of a MOSS receiver, representing an embodiment of the invention. FIG. 3 depicts a typical MOSS receiver block diagram.

I-F channels IF_1, IF_2, ... IF_N generated by synthesizer or implemented in DSP.

W_1, W_2, ..., W_N are Walsh codes 1-N.

"W_1 @ IF_1" represents Walsh code #1 modulated onto IF channel 1 local carrier.